

For Research Use Only

# UBA6 Polyclonal antibody

Catalog Number: 13211-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

13211-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4000

### GenBank Accession Number:

BC031637

### GeneID (NCBI):

55236

### UNIPROT ID:

A0AVT1

### Full Name:

ubiquitin-like modifier activating enzyme 6

### Calculated MW:

1052 aa, 118 kDa

### Observed MW:

118 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:1000-1:5000

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

### Positive Controls:

WB: HEK-293 cells, human brain tissue

IHC: mouse testis tissue, mouse brain tissue

IF/ICC: SH-SY5Y cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

UBA6 (Ubiquitin-like modifier-activating enzyme 6) is also named as MOP4, UBE1L2 and belongs to the ubiquitin-activating E1 family. It probably acts as a single molecule like UBE1 and not as a heterodimeric E1 complex, as formed by AOS1/Uba2 and APP-BP1/Uba3. UBA6 is even more restricted in distribution because it is only found in vertebrates but not in lower organisms so that it might have a specialized role in tissues of higher organisms, and in particular, in the testis, where it is expressed by far most abundantly (PMID:17580310). It has 4 isoforms produced by alternative splicing. This antibody recognizes the full-length (118 kDa) and the truncated isoform CRA\_b (60-70 kDa) of UBA6 (NCBI).

## Notable Publications

Author	Pubmed ID	Journal	Application
Lei Zhang	36109526	Nat Commun	WB, IHC, IP
Keqiang Rao	40106438	Cell Rep	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

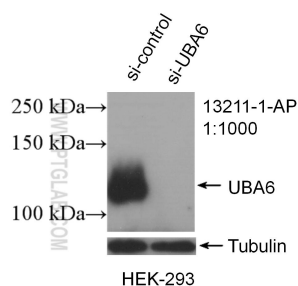
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

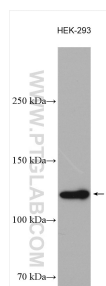
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

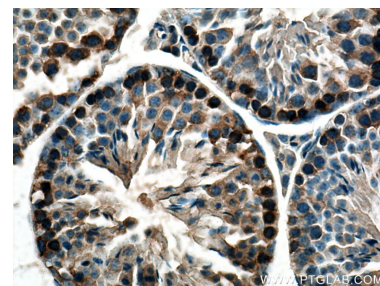
## Selected Validation Data



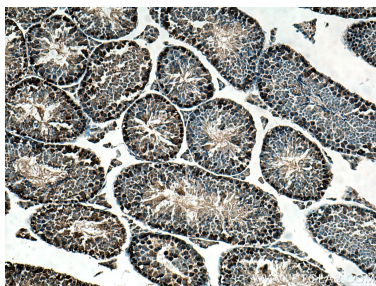
WB result of UBA6 antibody (13211-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-UBA6 transfected HEK-293 cells.



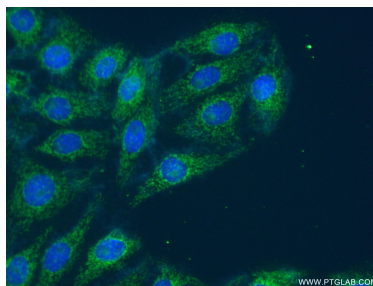
HEK-293 cells were subjected to SDS PAGE followed by western blot with 13211-1-AP (UBA6 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13211-1-AP (UBA6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13211-1-AP (UBA6 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using 13211-1-AP (UBA6 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).